

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	563	((serial\$5 deserial\$5 multiplex\$4) and (invert\$4 compliment\$4 negative inverse) and "clock signal").clm.	US-PGPUB	OR	ON	2006/02/02 18:50

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1076	multiplex\$4 with (invert\$4 compliment\$4 negative inverse) with clock	USPAT	OR	ON	2006/02/02 14:53
L2	922	1 and @ad<"20010613"	USPAT	OR	ON	2006/02/02 14:53
L3	247	1 and @rlad<"20010613"	USPAT	OR	ON	2006/02/02 14:53
L4	935	2 3	USPAT	OR	ON	2006/02/02 14:54
L5	5	serializ\$4 and deserializ\$4 and 4	USPAT	OR	ON	2006/02/02 14:54
L6	25	serializ\$4 and 4	USPAT	OR	ON	2006/02/02 14:54
S1	1655	370/509.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/23 14:19
S3	16073	clock with recover\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/15 10:56
S4	3630	(fiber optic) and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/15 11:00
S5	2645	(serializ\$4 multiplex\$4) and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/15 11:02
S6	32	S1 and S5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/15 11:15
S7	1060	asynchron\$7 and S5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/15 11:17
S9	516	(complement\$4 invers\$4) and S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/15 11:18

S10	159	router and S9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/15 11:18
S11	16093	clock with recover\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 11:18
S12	3638	(fiber optic) and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 11:18
S13	2652	(serializ\$4 multiplex\$4) and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 11:18
S14	1063	asynchron\$7 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 11:18
S15	519	(complement\$4 invers\$4) and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 11:19
S16	372	edge and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 11:19
S18	25	(align\$5 with bit with pattern) and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 11:20
S19	16093	clock with recover\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 13:23
S20	3638	(fiber optic) and S19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 13:23

S21	2652	(serializ\$4 multiplex\$4) and S20	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 13:23
S22	1063	asynchron\$7 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 13:23
S23	519	(complement\$4 invers\$4) and S22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 17:09
S24	372	edge and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 13:23
S25	323	align\$5 and S24	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 13:58
S26	249	synchronous and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 14:20
S27	74	S25 not S26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 14:54
S28	2	("6229859").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/16 15:57
S29	217	"encoded clock"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 15:58
S30	23	S29 and S20	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 16:56

S31	2	("20030076562").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/16 16:56
S33	241	398/139.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 17:08
S34	799	serdes	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 17:08
S35	1148	serializer with deserializer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 17:09
S36	469	clock and (fiber optic sonet sdh) and S35	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 21:37
S37	189	(complement\$4 invers\$4) and S36	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 17:09
S38	8	("4357702"   "4445215"   "4486739"   "4593393"   "4791639"   "4864303"   "5084891"   "5867601").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/16 17:29
S39	0	("6618395").URPN.	USPAT	OR	ON	2004/11/16 19:11
S40	4	((("6618395") or ("6323793") or ("6493359") or ("6667993"))).PN.	USPAT	OR	OFF	2004/11/16 19:13
S41	3	("5341405"   "5408473"   "5425020").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/16 19:13
S42	0	("6667993").URPN.	USPAT	OR	ON	2004/11/16 19:14
S43	8	("4357702"   "4445215"   "4486739"   "4593393"   "4791639"   "4864303"   "5084891"   "5867601").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/16 19:14
S44	0	("6618395").URPN.	USPAT	OR	ON	2004/11/16 19:14
S45	2	("5857092"   "5938309").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/16 19:14

S46	1	("6493359").URPN.	USPAT	OR	ON	2004/11/16 19:14
S47	9	("4763317"   "5544161"   "5644622"   "5790523"   "5790533"   "5878325"   "5966636"   "6041056"   "6161011").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/16 19:14
S48	5	("6323793").URPN.	USPAT	OR	ON	2004/11/16 19:15
S49	28	S41 S42 S43 S44 S45 S46 S47 S48	USPAT	OR	ON	2004/11/16 20:55
S50	1	"98402633.6"	USPAT	OR	ON	2004/11/16 20:55
S51	0	"followed by" with complement with edge	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 21:36
S52	7	followed with complement with edge	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 21:37
S53	542	clock with (complement inverse) with edge	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 21:37
S54	46	S53 and (fiber optic sonet sdh)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/16 21:38
S55	104	edge with "clock signal" with complement	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 12:42
S56	4434	true with complement	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 12:42
S57	433	true with complement with clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 12:43
S58	18	true with complement with clock with multiplex\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 12:51

S59	44	complement with clock with recover\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 12:51
S60	8	("3634855"   "3702379"   "3863025"   "3961367"   "3978319"   "4085448"   "4101969"   "4280221").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/17 13:38
S61	44	("4369516").URPN.	USPAT	OR	ON	2004/11/17 13:39
S62	52	S60 S61	USPAT	OR	ON	2004/11/17 13:39
S63	10	("3889236"   "3961367"   "4369516"   "4520346"   "4680787"   "4928289"   "5323463"   "5341371"   "5614901"   "6044421").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/17 13:47
S64	0	("6549595").URPN.	USPAT	OR	ON	2004/11/17 13:58
S65	8	("3199077"   "3449717"   "4045771"   "4369516"   "4377863"   "4389636").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/17 13:55
S66	13	("4599723").URPN.	USPAT	OR	ON	2004/11/17 13:55
S67	28	S63 S65 S66	USPAT	OR	ON	2004/11/17 14:06
S68	31	"4249266"	USPAT	OR	ON	2004/11/17 14:07
S69	2	("6667993").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/17 16:23
S70	2	clock and S69	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 16:24
S71	2	("6667993").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/17 18:05
S72	0	S71 and asynchro\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 18:06

S73	0	S71 and asynchron\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 18:27
S74	0	S71 and router	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 18:43
S75	1872	multiplex\$4 with (invert\$4 complement\$4) with (synchroniz\$5 clock phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 18:54
S76	3495	370/503	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 19:11
S77	34	S76 and S75	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 19:01
S78	2503	370/509	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 19:11
S79	7	S78 and S75	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/17 19:12
S80	2	("6667994").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 16:11
S81	824	(375/359,360).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/23 14:21
S83	14256	(complement\$4 invert\$4 differential) with multiplex\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/23 15:29



S84	6930	(complement\$4 invert\$4 differential) near4 multiplex\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/23 15:28
S85	3434	(complement\$4 invert\$4 differential) near2 multiplex\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/23 15:29
S86	1335	(complement\$4 invert\$4 differential) near multiplex\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/23 15:29
S87	485	clock with recovery and S83	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/23 15:29
S88	4	("3714463"   "5793236"   "6055286"   "6366135").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/23 15:41
S89	0	("6650146").URPN.	USPAT	OR	ON	2004/11/23 15:42
S90	50	("4868776" "5218562" "6181660" "4246656" "4939687" "5483539" "5010511" "5598415" "5761254" "5349550" "5408473" "5566169" "5668811" "5668830" "5680414" "5953370" "6122335" "6208478" "6233294" "4783732" "4783782" "4831519" "4835729" "4852048" "4905236" "4916657" "4926178" "5410556" "5650781" "5650905" "5778419" "5909564" "5912753" "5920897" "5960007" "5982786" "6034974" "6069720" "6173380" "6195403" "4441074" "4578799" "4768029" "4771440" "4897842" "4924464" "5239561" "5465254" "5572721" "5642386").pn.	USPAT	OR	ON	2005/07/07 13:33
S91	1528	(embed\$4 inband in-band "in band") with clock	USPAT	OR	ON	2005/07/07 13:54
S92	418	(p2s s2p (parallel with serial) (multiplex\$4 with demultipex\$4) (mux with demux)) and S91	USPAT	OR	ON	2005/07/07 16:14
S93	19	(embed\$4 inband in-band "in band") with clock with (invert\$4 compliment\$4 negative inverse)	USPAT	OR	ON	2006/02/02 14:52
S94	14	"embed clock signal" "embbcd clock signal"	USPAT	OR	ON	2005/07/07 14:33

S95	4290	clock with edge with phase	USPAT	OR	ON	2005/07/07 15:42
S96	874	(p2s s2p (parallel with serial) (multiplex\$4 with demultipex\$4) (mux with demux)) and S95	USPAT	OR	ON	2005/07/07 16:19
S97	96	clock with edge with phase with serial\$4	USPAT	OR	ON	2005/07/07 15:42
S98	0	((p2s with s2p) and (parallel with serial) and ((multiplex\$4 with demultipex\$4) (mux with demux))) and S95	USPAT	OR	ON	2005/07/07 16:15
S99	0	((p2s with s2p) and (parallel with serial) and ((multiplex\$4 with demultipex\$4) (mux with demux))) and clock	USPAT	OR	ON	2005/07/07 16:15
S10 0	147	((parallel with serial) and ((multiplex\$4 with demultipex\$4) (mux with demux))) and clock	USPAT	OR	ON	2005/07/07 16:17
S10 1	8	((parallel with serial) and ((multiplex\$4 with demultipex\$4) (mux with demux))) and S95	USPAT	OR	ON	2005/07/07 16:15
S10 2	7	((parallel with serial) and ((multiplex\$4 with demultipex\$4) (mux with demux))) and clock and serialized	USPAT	OR	ON	2005/09/16 19:36
S10 3	386	"clock recovery" and (edge near2 detect\$4)	USPAT	OR	ON	2005/07/07 16:19
S10 4	154	(p2s s2p (parallel with serial) (multiplex\$4 with demultipex\$4) (mux with demux)) and S103	USPAT	OR	ON	2005/07/07 17:05
S10 5	12	((("6667994") or ("5878061") or ("6680970") or ("6754235") or ("6323793") or ("6233294")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/07 17:06
S10 6	9	clock and S105	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 17:06
S10 7	6	((("6667994") or ("5878061") or ("6680970") or ("6754235") or ("6323793") or ("6233294")).PN.	USPAT	OR	OFF	2005/07/07 17:06
S10 8	6	clock and S107	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 17:07

S109	7	((("6667994") or ("5878061") or ("6680970") or ("6754235") or ("6323793") or ("6233294") or ("6667993")).PN.	USPAT	OR	OFF	2005/07/07 17:07
S110	7	clock and S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 19:10
S111	3298	"clock signal" with detect\$4 with edge	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/16 19:41
S112	12	ami and S111	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/16 19:30
S113	0	((parallel with serial) and ((multiplex\$4 with demultipex\$4) (mux with demux))) and S111	USPAT	OR	ON	2005/09/16 19:35
S114	1	((multiplex\$4 with demultipex\$4) (mux with demux))) and S111	USPAT	OR	ON	2005/09/16 19:39
S115	25	((parallel and serial) and ((multiplex\$4 and demultipex\$4) (mux and demux))) and S111	USPAT	OR	ON	2005/09/16 19:36
S116	650	(clock with recover\$4) and S111	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/16 19:39
S117	200	(multiplex\$4 mux ) and S116	USPAT	OR	ON	2005/09/16 19:40
S118	117	network and S117	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/16 19:44
S119	7	("4752927"   "5210444"   "5367200"   "5598116"   "5652668"   "6188738"   "6331999").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 19:50
S120	3	("6549571").URPN.	USPAT	OR	ON	2005/09/16 19:54
S121	344	"alternate mark inversion"	USPAT	OR	ON	2005/09/18 16:25
S122	3	S111 and S121	USPAT	OR	ON	2005/09/16 19:54

S12 3	406	(coded alternate) adj mark\$2 adj inversion	USPAT	OR	ON	2005/09/16 19:56
S12 4	5	S111 and S123	USPAT	OR	ON	2005/09/16 19:56
S12 5	16	("3982138"   "3986043"   "4352031"   "4754456"   "4877974"   "4891808"   "4926423"   "5004938"   "5055842"   "5107264"   "5128673"   "5247652"   "5263173"   "5399919"   "5479112"   "5526360").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 20:02
S12 6	6	("6107946").URPN.	USPAT	OR	ON	2005/09/16 20:03
S12 7	18	("3587043"   "3993957"   "4404681"   "4496934"   "4499454"   "4628298"   "4715050"   "4864303"   "4873491"   "4912433"   "4922141"   "4972161"   "5025257"   "5040195"   "5079519"   "5079770"   "5084891"   "5148385").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 20:11
S12 8	6	("5414830").URPN.	USPAT	OR	ON	2005/09/16 20:15
S12 9	56	S119 S120 S125 S126 S127 S128	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/18 16:08
S13 0	7	("4752927"   "5210444"   "5367200"   "5598116"   "5652668"   "6188738"   "6331999").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/18 16:09
S13 1	3	("6549571").URPN.	USPAT	OR	ON	2005/09/18 16:09
S13 2	16	("3982138"   "3986043"   "4352031"   "4754456"   "4877974"   "4891808"   "4926423"   "5004938"   "5055842"   "5107264"   "5128673"   "5247652"   "5263173"   "5399919"   "5479112"   "5526360").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/18 16:09
S13 3	6	("6107946").URPN.	USPAT	OR	ON	2005/09/18 16:09

S13 4	18	("3587043"   "3993957"   "4404681"   "4496934"   "4499454"   "4628298"   "4715050"   "4864303"   "4873491"   "4912433"   "4922141"   "4972161"   "5025257"   "5040195"   "5079519"   "5079770"   "5084891"   "5148385").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/18 16:09
S13 5	6	("5414830").URPN.	USPAT	OR	ON	2005/09/18 16:09
S13 6	56	S130 S131 S132 S133 S134 S135	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/18 16:09
S13 7	21	recover\$4 and S136	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/18 16:19
S13 8	1	("6288656").PN.	USPAT	OR	OFF	2005/09/18 16:19
S13 9	1	(clock with edge) and S138	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/18 16:19
S14 0	98	"alternate mark inversion" and (clock with recover\$4)	USPAT	OR	ON	2005/09/18 16:30
S14 1	0	every with cylce with edge with (clock with recover\$4)	USPAT	OR	ON	2005/09/18 16:31
S14 2	50	every with edge with (clock with recover\$4)	USPAT	OR	ON	2005/09/18 16:36
S14 3	684	(clock with recover\$4) with edge	USPAT	OR	ON	2005/09/18 16:37
S14 4	431	invert\$4 and S143	USPAT	OR	ON	2005/09/18 16:38
S14 5	25	serializ\$4 and S144	USPAT	OR	ON	2005/09/18 16:38